



## LEED\* - Aiding in Preservation of the Environment

THERMACOUSTIC INDUSTRIES is fully supportive of the LEED initiatives of the Canada Green Building Council (CaGBC) and is a member of both the Canadian and U.S. Green Building Councils.

As a building products manufacturer, we are very much aware that:

- a) Our present primary energy sources are both non-renewable and significant contributors to atmospheric degradation;
- b) Building materials should be as "green" as possible to conserve other natural resources as well as energy;
- c) Indoor air quality in buildings is a concern, as well as is the atmosphere in general, and no building component should contribute deleterious substances to either the indoor or outdoor atmospheres.

We manufacture **AF90** a fibreglass-based, spray-in-place acoustic ceiling and wall finish that effectively addresses many aspects of the problems listed above.

**NOTE: Although in our view, AF90 is ideally suited to meet the intent of selected items listed under the LEED headings quoted below, it is up to the design professionals to evaluate AF90 and to decide its applicability to their particular needs.**

### LEED Canada – Points Summary



LEED Category & Credits:	AF90 Contribution	Possible Points
<b>Innovation &amp; Design Process (ID)</b>		
<b>ID Credit 1 through 1.4:</b>		
Innovation and Design Process	<b>AF90</b> can augment innovative design in a variety of ways. For details concerning potential credits as they relate to a specific situation, please contact our technical advisor.	Up to <b>4 points</b> (dependant on effectiveness and innovation of the design)
<b>Materials &amp; Resources (MR)</b>		
<b>MR Credit 2.1:</b>		
Construction Waste Management Divert 50% from disposal	Our <b>AF90</b> has an indefinite life when installed and left undisturbed. Any damage is easily repaired and the only potential waste is the damaged material. Generally, <b>AF90</b> will be removed in its entirety only if the building is demolished.	<b>1 point</b>
<b>MR Credit 2.2:</b>		
Construction Waste Management Divert 75% from disposal	Net waste during the installation of <b>AF90</b> is approximately 3% of the installed volume and up to 90% of the waste can be recycled or returned to nature.	Plus <b>1 point</b> (in addition to MR Credit 2.1)
<b>MR Credit 4.1:</b>		
Recycled content 7.5%	Post industrial content of <b>AF90</b> varies, but meets or exceeds requirement <b>at all times</b> .	<b>1 point</b>
<b>MR Credit 4.2:</b>		
Recycled content 15%	Post consumer content of <b>AF90</b> varies, but meets or exceeds requirement <b>at all times</b> .	Plus <b>1 point</b> (in addition to MR Credit 4.1)

**MR Credit 5.1:**

Regional Materials  
10% extracted, processed and  
manufactured locally

*AF90* is site manufactured by the installing contractor.

**1 point**

**MR Credit 5.2:**

Regional Materials  
20% extracted, processed and  
manufactured locally

*AF90* is site manufactured by the installing contractor.

**1 point**  
(in addition to  
MR credit 5.1)

**MR Credit 6:**

Readily Renewable Materials

Silica sand, the major component of fibreglass, is  
considered a rapidly renewable resource by the EPA.

**1 point**

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**Indoor Environmental Quality (EQ)**

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**EQ Credit 3.2:**

Indoor Air Quality Management  
Plan (before occupancy)

*AF90* meets, or is significantly below, the maximum  
concentration criteria of IAQ pollutants set out by LEED.

**1 point**

**EQ Credit 4.1:**

Low Emitting Materials  
adhesives and sealants

Glass fibre is inert, and the remaining component of  
*AF90* is a low VOC adhesive that comprises < 8%  
of the installed product.

**1 point**

**EQ Credit 4.2:**

Low Emitting Materials  
paints and coatings

*AF90* is the final finish in the locations in which it is  
installed. Therefore, it qualifies as a coating and it does not  
exceed the VOC and chemical component of Green Seal's  
Standard GS-11 requirements.

**1 point**

**Total Possible *AF90* Contribution**

**14 points**

